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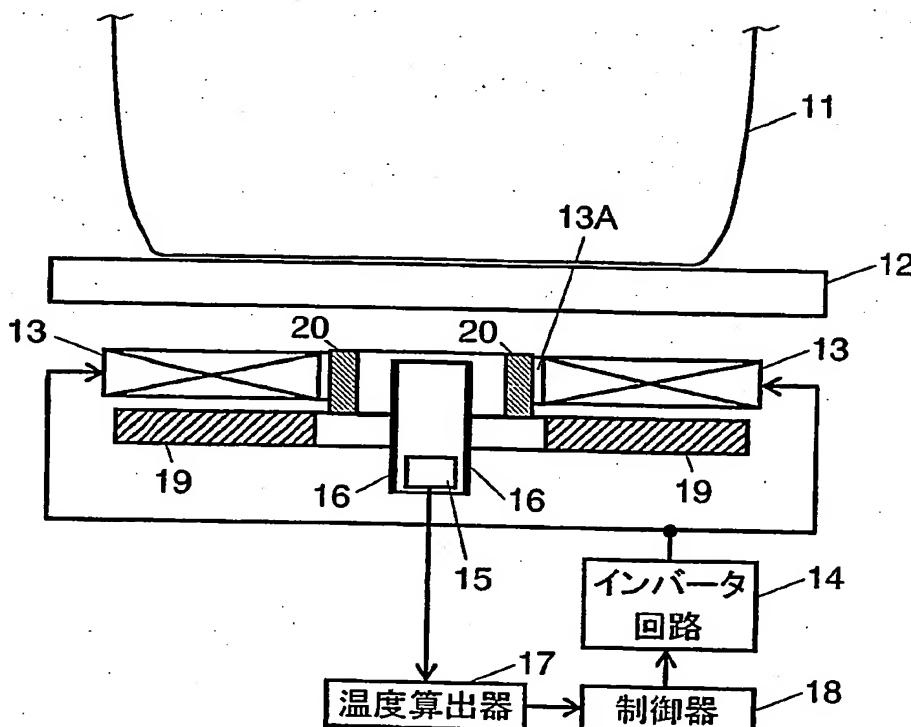
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(54) Title: INDUCTION HEATING COOKER

(54)発明の名称: 誘導加熱調理器



14...INVERTER CIRCUIT  
17...TEMPERATURE CALCULATING UNIT  
18...CONTROL UNIT

漏れを低減する第1の防磁器と第2の防磁器を有する誘導加熱調理器である。導波管を第2の防磁器の上面より下方に配置することにより、加熱コイルからの磁束による導波

(57) Abstract: An induction heating cooker comprising an infrared sensor for detecting an infrared intensity from a load pot, a waveguide for guiding infrared radiation from the load pot up to the infrared sensor, and a first magnetism-proofing unit and a second magnetism-proofing unit for reducing magnetic fluxes leaking from a heating coil. The waveguide so constructed as to be disposed below the top surface of the second magnetism-proofing unit can reduce the waveguide self-heating by magnetic fluxes from the heating coil. Consequently, the temperature rise of the infrared sensor by radiation heat from the waveguide can be reduced to thereby improve a temperature detection accuracy by the infrared sensor.

(57) 要約: 負荷鍋からの赤外線強度を検知するための赤外線センサと、負荷鍋からの赤外線放射を赤外線センサまで導くための導波管と、加熱コイルからの磁束による導波

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添付公開書類:  
— 国際調査報告書

2文字コード及び他の略語については、定期発行される各PCTガゼットの巻頭に掲載されている「コードと略語のガイドノート」を参照。

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/010532

A. CLASSIFICATION OF SUBJECT MATTER  
Int.Cl<sup>7</sup> H05B6/12

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl<sup>7</sup> H05B6/12

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho	1926-1996	Toroku Jitsuyo Shinan Koho	1994-2004
Kokai Jitsuyo Shinan Koho	1971-2004	Jitsuyo Shinan Toroku Koho	1996-2004

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 2002-75624 A (Matsushita Electric Industrial Co., Ltd.), 15 May, 2002 (15.05.02), Full text; Figs. 1 to 6 (Family: none)	1-5, 7
Y	JP 2003-151746 A (Matsushita Electric Industrial Co., Ltd.), 23 May, 2003 (23.05.03), Par. No. [0026]; Fig. 4 (Family: none)	1-5, 7

 Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:	
"A"	document defining the general state of the art which is not considered to be of particular relevance
"E"	earlier application or patent but published on or after the international filing date
"L"	document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
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"&"	document member of the same patent family

Date of the actual completion of the international search  
01 October, 2004 (01.10.04)Date of mailing of the international search report  
19 October, 2004 (19.10.04)Name and mailing address of the ISA/  
Japanese Patent Office

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International application No.

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## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 2003-130366 A (Matsushita Electric Industrial Co., Ltd.), 08 May, 2003 (08.05.03), Par. Nos. [0024] to [0025]; Fig. 4 (Family: none)	5, 7
A	JP 3-208288 A (Matsushita Electric Industrial Co., Ltd.), 11 September, 1991 (11.09.91), Full text; Figs. 1 to 4 (Family: none)	6, 8